

CLAIMS

1. A method (300) of monitoring performance of distributed applications including the steps of:

5 a client computer originating (303-305) a request of service for a server computer,

if the request meets (307-324) at least one predefined condition, enabling (326) the measuring on the client computer of at least one performance parameter for a transaction corresponding to the request and updating (328-330) the request
10 by inserting a correlation identifier,

transmitting (320) the request to the server computer,

if the request includes (332) the correlation identifier, enabling (334) the measuring on the server computer of the at least one performance parameter for a sub-transaction originating
15 from the request,

executing (336-372) the sub-transaction,

associating (378) the correlation identifier with the at least one performance parameter measured on the server computer, and

20 associating (388) the correlation identifier with the at least one performance parameter measured on the client computer.

2. The method (300) according to claim 1, wherein the step of originating (303-305) the request is performed under the control of a first module (205) running on the client computer, the
25 method further including the step of intercepting (306) the request by a second module (210) running on the client computer, the step of enabling (326) the measuring of the at least one performance parameter for the transaction and updating (328-330) the request by inserting the correlation identifier if the
30 request meets (307-324) the at least one predefined condition being performed under the control of the second module.

3. The method (300) according to claim 1 or 2, further including at least one recursive execution of the steps of:

the server computer originating (344-346) at least one further request of service for at least one further server
5 computer,

if the request includes (348) the correlation identifier, updating (350) the at least one further request by inserting a further correlation identifier,

transmitting (352) each further request to the corresponding
10 further server computer,

if the further request includes (354) the further correlation identifier, enabling (358) the measuring on the further server computer of the at least one performance parameter for a further sub-transaction originating from the further
15 request,

executing (360) the further sub-transaction, and

associating (366) the further correlation identifier with the at least one performance parameter measured on the further server computer.

20 4. The method (300) according to any claim from 1 to 3, wherein the step of enabling (326) the measuring of the at least one performance parameter for the transaction and updating (328-330) the request by inserting the correlation identifier if the request meets (306-324) the at least one predefined condition
25 includes:

verifying (314-316) whether an address of the server computer matches a predetermined pattern stored on the client computer.

5. The method (300) according to any claim from 1 to 4, wherein
30 the step of originating (303-305) the request includes:

downloading (303) a document from the server computer,

displaying (304) the document, and
selecting (305) a link in the document,
and wherein the step of enabling (326) the measuring of the at
least one performance parameter for the transaction and updating
5 (328-330) the request by inserting the correlation identifier if
the request meets (307-324) the at least one predefined condition
includes:

verifying (307-310,318-324) whether a definition of the
document includes at least one enabling identifier.

10 6. The method (300) according to claim 5, wherein the step of
verifying (307-310,318-324) whether the definition of the
document includes the at least one enabling identifier includes:

verifying (307-310) whether the definition of the document
includes a global enabling identifier for all the transactions
15 originating from the document.

7. The method (300) according to claim 5 or 6, wherein the step
of verifying (307-310,318-324) whether the definition of the
document includes the at least one enabling identifier includes:

verifying (322-324) whether a definition of the selected
20 link includes a local enabling identifier for the transactions
originating from the selected link.

8. A computer program (205-225;240-260) directly loadable into
a working memory (140) of a data processing system (100) with a
distributed architecture for performing the method of any claim
25 from 1 to 7 when the program is run on the data processing
system.

9. A computer program (205-225), directly loadable into a working
memory (140) of a client computer (110) in a data processing
system (100) with a distributed architecture, for performing a
30 method (300) of monitoring performance of distributed

applications when the program is run on the client computer, the method including the steps of:

originating (303-305) a request of service for a server computer,

5 if the request meets (307-324) at least one predefined condition, enabling (326) the measuring on the client computer of at least one performance parameter for a transaction corresponding to the request and updating (328-330) the request by inserting a correlation identifier,

10 transmitting (320) the request to the server computer for causing the server computer to enable (334) the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request if the request includes (332) the correlation identifier, to execute (336-372)
15 the sub-transaction, and to associate (378) the correlation identifier with the at least one performance parameter measured on the server computer, and

associating (388) the correlation identifier with the at least one performance parameter measured on the client computer.

20 10. A computer program (205-225), directly loadable into a working memory (140) of a server computer (120) in a data processing system (100) with a distributed architecture, for performing a method (300) of monitoring performance of distributed applications when the program is run on the server
25 computer, the method including the steps of:

receiving (320) a request of service from a client computer, the client computer, if the request meets (307-324) at least one predefined condition, enabling (326) the measuring on the client computer of at least one performance parameter for a transaction
30 corresponding to the request and updating (328-330) the request by inserting a correlation identifier, the correlation identifier

being associated (388) with the at least one performance parameter measured on the client computer,

if the request includes (332) the correlation identifier, enabling (334) the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request,

executing (336-372) the sub-transaction, and

associating (378) the correlation identifier with the at least one performance parameter measured on the server computer.

10 11. A computer program (210), directly loadable into a working memory (140) of a client computer (110) in a data processing system (100) with a distributed architecture, for performing a method (300) of monitoring performance of distributed applications when the program is run on the client computer, the
15 method including the steps of:

intercepting (306) a request of service for a server computer originated on the client computer by a further computer program (205),

if the request meets (307-324) at least one predefined
20 condition, enabling (326) the measuring on the client computer of at least one performance parameter for a transaction corresponding to the request and updating (328-330) the request by inserting a correlation identifier,

transmitting (320) the request to the server computer for
25 causing the server computer to enable (334) the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request if the request includes (332) the correlation identifier, to execute (336-372) the sub-transaction, and to associate (378) the correlation
30 identifier with the at least one performance parameter measured on the server computer, and

associating (388) the correlation identifier with the at least one performance parameter measured on the client computer.

12. A program product (165) comprising a computer readable medium on which the program (205-225;240-260;205) of any claim from 8 to 11 is stored.

13. A data processing system (100) with a distributed
5 architecture for monitoring performance of distributed applications including at least one client computer (110) and at least one server computer (120), wherein each client computer has means (205) for originating a request of service for a server computer, means (210) for enabling the measuring on the client
10 computer of at least one performance parameter for a transaction corresponding to the request and for updating the request by inserting a correlation identifier if the request meets at least one predefined condition, means (230) for transmitting the request to the server computer, and means (215,220) for
15 associating the correlation identifier with the at least one performance parameter measured on the client computer, and wherein each server computer has means (255) for enabling the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request if
20 the request includes the correlation identifier, means (240,250) for executing the sub-transaction, and means (255,260) for associating the correlation identifier with the at least one performance parameter measured on the server computer.

14. A client computer (110) for monitoring performance of
25 distributed applications in a data processing system (100) with a distributed architecture, the client computer including means (205) for originating a request of service for a server computer, means for (210) enabling the measuring on the client computer of at least one performance parameter for a transaction
30 corresponding to the request and for updating the request by inserting a correlation identifier if the request meets at least

one predefined condition, means (230) for transmitting the request to the server computer for causing the server computer to enable the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request if the request includes the correlation identifier, to execute the sub-transaction, and to associate the correlation identifier with the at least one performance parameter measured on the server computer, and means (215,220) for associating the correlation identifier with the at least one performance parameter measured on the client computer.

15. A server computer (120) for monitoring performance of distributed applications in a data processing system (100) with a distributed architecture, the server computer including means (235) for receiving a request of service from a client computer, the client computer, if the request meets at least one predefined condition, enabling the measuring on the client computer of at least one performance parameter for a transaction corresponding to the request and updating the request by inserting a correlation identifier, the correlation identifier being associated with the at least one performance parameter measured on the client computer, means (255) for enabling the measuring on the server computer of the at least one performance parameter for a sub-transaction originating from the request if the request includes the correlation identifier, means (240,250) for executing the sub-transaction, and means (255,260) for associating the correlation identifier with the at least one performance parameter measured on the server computer.